

L Number	Hits	Search Text	DB	Time stamp
4	2584	undoped with (silicon silicate) with oxide usg	USPAT; EPO; JPO	2004/03/19 10:31
5	12740	phosphosilicate with glass psg	USPAT; EPO; JPO	2004/03/19 10:32
6	16603	sion (silicon silicate) with oxynitride	USPAT; EPO; JPO	2004/03/19 10:33
7	199	((undoped with (silicon silicate) with oxide usg) and (phosphosilicate with glass psg) and (sion (silicon silicate) with oxynitride))	USPAT; EPO; JPO	2004/03/19 10:33
9	9	((undoped with (silicon silicate) with oxide usg) and (phosphosilicate with glass psg) and (sion (silicon silicate) with oxynitride)) and integrated adj circuit and active with (area region) and plug\$4 and metal adj layer	USPAT; EPO; JPO	2004/03/19 14:57
10	1	6492224.pn.	USPAT; EPO; JPO	2004/03/19 11:03
11	1	6144060.pn.	USPAT; EPO; JPO	2004/03/19 11:03
15	1	((undoped with (silicon silicate) with oxide usg) and (phosphosilicate with glass psg) and (sion (silicon silicate) with oxynitride)) and integrated adj circuit and active with (area region) and solder\$4 and etch\$3 and polyimide and metal adj layer	USPAT; EPO; JPO	2004/03/19 15:50
16	2	("5220199" "6037668").PN.	USPAT	2004/03/19 15:28
17	9	6232662.URPN.	USPAT	2004/03/19 15:29
35	1	((undoped with (silicon silicate) with oxide usg) and (phosphosilicate with glass psg) and (sion (silicon silicate) with oxynitride)) and integrated near3 circuit and active with (area region) and solder\$4 and etch\$3 and polyimide and metal adj layer	USPAT; EPO; JPO	2004/03/19 15:50
36	1	((undoped with (silicon silicate) with oxide usg) and (phosphosilicate with glass psg) and (sion (silicon silicate) with oxynitride)) and active with (area region) and solder\$4 and etch\$3 and polyimide and metal adj layer	USPAT; EPO; JPO	2004/03/19 15:51
37	8	((undoped with (silicon silicate) with oxide usg) and (phosphosilicate with glass psg) and (sion (silicon silicate) with oxynitride)) and active with (area region) and (connect connecting connection) and etch\$3 and polyimide and metal adj layer	USPAT; EPO; JPO	2004/03/19 17:11
40	3	((undoped with (silicon silicate) with oxide usg) and (phosphosilicate with glass psg) and (sion (silicon silicate) with oxynitride)) and redistribution	USPAT; EPO; JPO	2004/03/19 17:13
41	4	((undoped with (silicon silicate) with oxide usg) and (phosphosilicate with glass psg) and (sion (silicon silicate) with oxynitride)) and solder adj (ball bump)	USPAT; EPO; JPO	2004/03/19 17:16
42	0	((undoped with (silicon silicate) with oxide usg) and (phosphosilicate with glass psg) and (sion (silicon silicate) with oxynitride)) and 29/\$.ccls.	USPAT; EPO; JPO	2004/03/19 17:17
43	158	((undoped with (silicon silicate) with oxide usg) and (phosphosilicate with glass psg) and (sion (silicon silicate) with oxynitride)) and 257/\$.ccls.	USPAT; EPO; JPO	2004/03/19 17:17

44	8	((undoped with (silicon silicate) with oxide usg) and (phosphosilicate with glass psg) and (sion (silicon silicate) with oxynitride)) and 257/\$.cccls.) and metal adj pad	USPAT; EPO; JPO	2004/03/19 17:18
-	1	redistribution.ti. and danielle.in.	USPAT; US-PGPUB; EPO; JPO	2004/03/18 17:16
-	17	redistribution adj layer and plug	USPAT; EPO; JPO	2004/03/18 18:04
-	3774	active with circuit with area	USPAT; EPO; JPO	2004/03/18 17:20
-	2362	(active with circuit with area) and integrated adj circuit	USPAT; EPO; JPO	2004/03/18 17:21
-	577	((active with circuit with area) and integrated adj circuit) and metal adj layer	USPAT; EPO; JPO	2004/03/18 17:21
-	405	((active with circuit with area) and integrated adj circuit) and metal adj layer) and connect\$3 and etch\$3	USPAT; EPO; JPO	2004/03/18 17:22
-	235	((((active with circuit with area) and integrated adj circuit) and metal adj layer) and connect\$3 and etch\$3) and silicon with oxide	USPAT; EPO; JPO	2004/03/18 17:29
-	19	(((((active with circuit with area) and integrated adj circuit) and metal adj layer) and connect\$3 and etch\$3) and silicon with oxide) and glass adj layer and substrate	USPAT; EPO; JPO	2004/03/18 17:39
-	0	(active with circuit with area) and glass adj layer and undoped with silicon and polyimide and etch\$3 and connect\$3 and metal adj layer	USPAT; EPO; JPO	2004/03/18 17:41
-	22	(active with circuit with area) and glass with layer and oxide with silicon and polyimide and etch\$3 and connect\$3 and metal adj layer	USPAT; EPO; JPO	2004/03/18 17:42
-	3	redistribution adj layer and (active with circuit with area)	USPAT; EPO; JPO	2004/03/18 18:05
-	9	redistribution with (film layer) and (active with circuit with area)	USPAT; EPO; JPO	2004/03/18 18:14
-	1632	undoped with silicon with oxide	USPAT; EPO; JPO	2004/03/18 18:40
-	4223	phosphosilicate with glass	USPAT; EPO; JPO	2004/03/18 18:41
-	7474	silicon with oxynitride	USPAT; EPO; JPO	2004/03/18 18:41
-	76	(undoped with silicon with oxide) and (phosphosilicate with glass) and (silicon with oxynitride)	USPAT; EPO; JPO	2004/03/18 18:16
-	30	((undoped with silicon with oxide) and (phosphosilicate with glass) and (silicon with oxynitride)) and plug\$3	USPAT; EPO; JPO	2004/03/18 18:17
-	30	((undoped with silicon with oxide) and (phosphosilicate with glass) and (silicon with oxynitride)) and plug\$4	USPAT; EPO; JPO	2004/03/18 18:19
-	55	((undoped with silicon with oxide) and (phosphosilicate with glass) and (silicon with oxynitride)) and (ic chip integrated adj circuit)	USPAT; EPO; JPO	2004/03/18 18:20
-	2541	(undoped with silicon with oxide) usg	USPAT; EPO; JPO	2004/03/18 18:40
-	13084	(phosphosilicate with glass) bpsg	USPAT; EPO; JPO	2004/03/18 18:41
-	16545	(silicon with oxynitride) sion	USPAT; EPO; JPO	2004/03/18 18:41
-	6	((undoped with silicon with oxide) usg) and ((phosphosilicate with glass) bpsg) and ((silicon with oxynitride) sion) and integrated adj circuit and active with circuit with (area region) and plug\$4	USPAT; EPO; JPO	2004/03/18 18:43

	U	I	Document ID	Issue Date	Pages	Title	Current OR	Current
30	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6483150 B1	20021119	11	Semiconductor device with both memories and logic	257/368	257/E21. 257/E21.
31	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6426556 B1	20020730	16	Reliable metal bumps on top of I/O pads with test probe	257/738	257/762
32	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6291307 B1	20010918	13	Method and structure to make planar analog capacitor on	438/393	257/E21. 257/E21.
33	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6274899 B1	20010814	13	Capacitor electrode having conductive regions adjacent	257/298	257/301; 257/303;
34	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6197641 B1	20010306	17	Process for fabricating vertical transistors	438/268	257/E21. 257/E29.
35	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6117766 A	20000912	10	Method of forming contact plugs in a semiconductor	438/637	257/E21. 257/E21.
36	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6100202 A	20000808	15	Pre deposition stabilization method for forming a void	438/734	257/E21. 257/E23.
37	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6037220 A	20000314	13	Method of increasing the surface area of a DRAM	438/255	257/E21. 257/E21.
38	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6027975 A	20000222	15	Process for fabricating vertical transistors	438/268	257/E21. 257/E29.
39	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6576941 B1	20030610	15	Ferroelectric capacitors on protruding portions of	257/295	257/306
40	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6238968 B1	20010529	17	Methods of forming integrated circuit	438/253	257/E21. 438/254;
41	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6232662 B1	20010515	10	System and method for bonding over active	257/750	257/734; 257/E23.
42	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 6380087 B1	20020430	12	CMP process utilizing dummy plugs in damascene process	438/692	438/622; 438/627;
43	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 5766974 A	19980616	7	Method of making a dielectric structure for	438/624	257/E21. 257/E21.
44	<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 4990464 A	19910205	4	Method of forming improved encapsulation layer	117/43	117/904; 148/DIG.

US 6166444 A	20001226	Cascade-type chip module	257/777	Hsuan, Min-Chih et al.
US 20030167632	20030911	System and method for providing a redistribution metal layer in an integrated circuit	29/841	Thomas, Danielle A. et al
US 6060355 A	20000509	Process for improving roughness of conductive layer	438/255	Batra, Shubneesh et al.
US 5770500 A	19980623	Process for improving roughness of conductive layer	438/255	Batra, Shubneesh et al.
US 6677613 B1	20040113	Semiconductor device and method of fabricating the same	257/72	Yamazaki, Shunpei et al.
US 6661057 B1	20031209	Tri-level segmented control transistor and fabrication method	257/336	Dawson, Robert et al.
US 6650002 B1	20031118	Semiconductor device having active element connected to an electrode metal pad via a barrier metal	257/637	Toyosawa, Kenji et al.
US 6620656 B2	20030916	Method of forming body-tied silicon on insulator semiconductor device	438/149	Min, Byoung W. et al.
US 6548392 B2	20030415	Methods of a high density flip chip memory arrays	438/612	Akram, Salman et al.
US 6472244 B1	20021029	Manufacturing method and integrated microstructures of semiconductor material and integrated piezoelectric devices	438/53	Ferrari, Paolo et al.
US 6455424 B1	20020924	Selective cap layers over recessed polysilicon plugs	438/675	McTeer, Allen et al.
US 6432809 B1	20020813	Method for improved passive thermal flow in silicon on insulator devices	438/618	Tonti, William R. et al.
US 6441467 B2	20020827	Semiconductor device having active element connected to an electrode metal pad via a barrier metal	257/637	Toyosawa, Kenji et al.
US 6384486 B2	20020507	Bonding over integrated circuits	257/781	Zuniga, Edgar R. et al.
US 6348709 B1	20020219	Electrical contact for high dielectric constant capacitors and method for fabricating the same	257/311	Graettinger, Thomas M. et al.
US 6174735 B1	20010116	Method of manufacturing ferroelectric memory device useful for preventing hydrogen line degradation	438/3	Evans, Thomas A.
US 5972774 A	19991026	Process for fabricating a semiconductor device having contact hole open to impurity region coplanar with the device	438/435	Matumoto, Akira
US 5939790 A	19990817	Integrated circuit pad structures	257/773	Gregoire, Francois et al.
US 5895239 A	19990420	Method for fabricating dynamic random access memory (DRAM) by simultaneous formation of tungsten silicide and a barrier layer	438/239	Jeng, Erik S. et al.
US 5719416 A	19980217	Integrated circuit with layered superlattice material compound	257/295	Yoshimori, Hiroyuki et al.
US 5541748 A	19960730	Liquid crystal display having patterned insulating and semiconductor layers and a method of fabricating the same	349/42	Ono, Kikuo et al.
US 4800171 A	19890124	Method for making bipolar and CMOS integrated circuit structures	438/207	Iranmanesh, Ali et al.
US 4764480 A	19880816	Process for making high performance CMOS and bipolar integrated devices on one substrate with reduced parasitic capacitance	438/203	Vora, Madhukar B.
US 5815223 A	19980929	Display device having a silicon substrate, a locus film formed on the substrate, a tensile stress film formed on the locus film, and a display layer	438/49/42	Watanabe, Takanori et al.
US 6461895 B1	20021008	Process for making active interposer for high performance packaging applications	438/107	Liang, Chunlin et al.
US 5106769 A	19920421	Process for manufacturing bi-cmos type semiconductor integrated circuit	438/207	Matsumi, Koji
US 6649508 B1	20031118	Methods of forming self-aligned contact structures in semiconductor integrated circuit devices	438/618	Park, Jong-Woo et al.
US 6635536 B2	20031021	Method for manufacturing semiconductor memory device	438/276	Shin, Hwa-sook et al.
US 6605510 B2	20030812	Semiconductor device with both memories and logic circuits and its manufacture	438/275	Watatani, Hirofumi
US 6600187 B2	20030729	Semiconductor memory device and method for manufacturing the same	257/296	Kim, Jeong-Seok
US 6483150 B1	20021119	Semiconductor device with both memories and logic circuits and its manufacture	257/368	Watatani, Hirofumi
US 6426556 B1	20020730	Reliable metal bumps on top of I/O pads with test probe marks	257/738	Lin, Mou-Shiung
US 6410424 B1	20020625	Process flow to optimize profile of ultra small size photo resist free contact	438/637	Tsai, Ming-Huan et al.
US 6300250 B1	20011009	Method of forming bumps for flip chip applications	438/694	Tsai, Ming-Hsing
US 6291307 B1	20010918	Method and structure to make planar analog capacitor on the top of a STI structure	438/393	Chu, Shao-Fu Sanford et al.
US 6274899 B1	20010814	Capacitor electrode having conductive regions adjacent a dielectric post	257/298	Melnick, Bradley M. et al.
US 6197641 B1	20010306	Process for fabricating vertical transistors	438/268	Hergenrother, John Michael

US 6117766 A	20000912	Method of forming contact plugs in a semiconductor device	438/637	Yoon, Bo-Un et al.
US 6100202 A	20000808	Pre deposition stabilization method for forming a void free isotropically etched anisotropically patterned	438/734	Lin, Been-Hon et al.
US 6037220 A	20000314	Method of increasing the surface area of a DRAM capacitor structure via the use of hemispherical grain	438/255	Chien, Ho-Ching et al.
US 6027975 A	20000222	Process for fabricating vertical transistors	438/268	Hergenrother, John M. et
US 6576941 B1	20030610	Ferroelectric capacitors on protruding portions of conductive plugs having a smaller cross-sectional size	438/257/295	Lee, Moon-Sook et al.
US 6238968 B1	20010529	Methods of forming integrated circuit capacitors having protected layers of HSG silicon therein	438/253	Yu, Young-Sub et al.